

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/081115 A1

(51) International Patent Classification⁷: **G06F 12/14**

(21) International Application Number:
PCT/KR2005/000345

(22) International Filing Date: 4 February 2005 (04.02.2005)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2004-0012380
24 February 2004 (24.02.2004) KR

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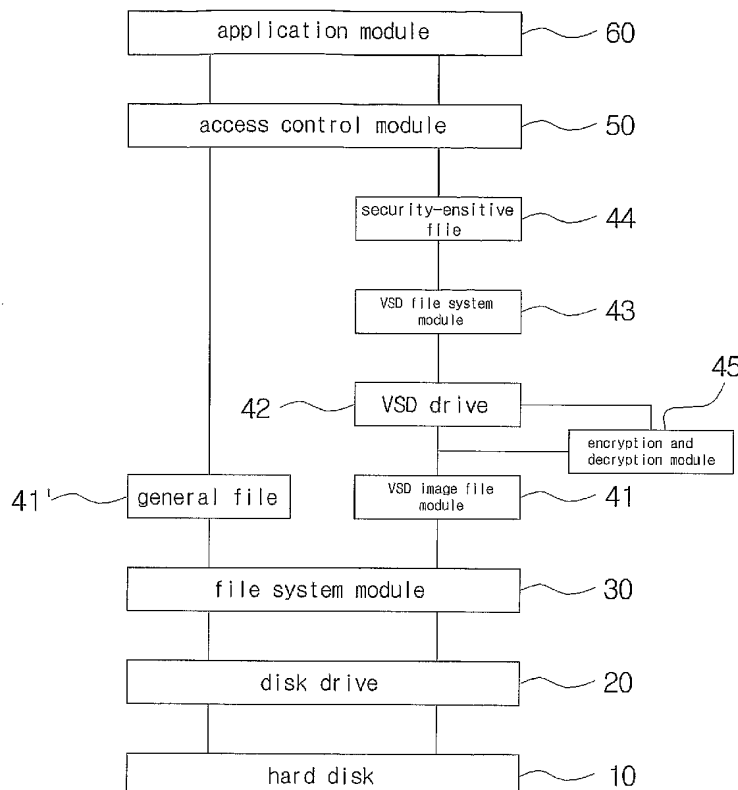
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,

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(54) Title: APPLICATION-BASED ACCESS CONTROL SYSTEM AND METHOD USING VIRTUAL DISK



(57) Abstract: An application-based access control system is disclosed. The access control system includes a Virtual space of a hard disk in a file form; a VSD drive for processing security-sensitive files within the VSD image file module; an encryption and decryption module for encrypting and decrypting data input/output between the VSD image file module and the VSD drive; a VSD file system module for allowing an operating system to recognize a separate disk volume at a time of access to the security-sensitive files within the VSD image file module; and an access control module for determining access by determining whether an access location is a disk drive or the VSD drive and the application module has been authorized to access a certain file at a time of access to the file, which is stored on the hard disk, to perform tasks in the application module. Secure Disk (VSD) image file module occupying a certain

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MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

- (84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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